

ASBESTOS REMOVAL AND ENCAPSULATION

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WAC 296-65-001 Purpose and scope. This standard regulates asbestos removal and encapsulation, requires contractor certification, specifies minimum training for supervisors and workers on asbestos projects, requires notification of asbestos projects, and establishes a training course approval program. This standard applies to the removal or encapsulation of any materials containing more than one percent asbestos by volume)).

[Statutory Authority: Chapter 49.17 RCW 97-19-014 (Order 97-07), § 296-65-001, filed 10/05/97, effective 11/05/97. 89-21-018 (Order 89-10), § 296-65-001, filed 10/10/89, effective 11/24/89. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-001, filed 10/22/85.]

WAC 296-65-003 Definitions. Unless the context clearly requires otherwise, the definitions in this section apply throughout this standard.

“Approved” means approved by the department.

“Asbestos” includes chrysotile, amosite, crocidolite, tremolite asbestos, anthophyllite asbestos, and actinolite asbestos, and any of these minerals that have been chemically treated and/or altered.

“Asbestos fiber” means asbestos fiber as defined in WAC 296-62-07703 as “fiber.”

“Asbestos abatement project” means an asbestos project involving three square feet or three linear feet, or more, of asbestos containing material.

“Asbestos project” includes the construction, demolition, repair, remodeling, maintenance or renovation of any public or private building or structure, mechanical piping equipment or system involving the demolition, removal, encapsulation, salvage, or disposal of material or outdoor activity releasing or likely to release asbestos fibers into the air.

“Certified asbestos contractor” means any partnership, firm, association, corporation or sole proprietorship, registered under chapter 18.27 RCW, that submits a bid, or contracts to remove or encapsulate asbestos for another and is certified by the department to remove or encapsulate asbestos.

“Certificate” means a certificate issued by the department that shall include the name of person awarded the certificate, certificate number, the discipline for which certification was conferred, training and examination dates, the course provider's name and address, and the course provider's telephone number, expiration date, and a statement that the person receiving the certificate has completed the training for asbestos accreditation under TSCA Title II.

“Certified asbestos supervisor” means an individual who is certified by the department under WAC 296-65-012.

WAC 296-65-003 (Cont.)

“Certified asbestos worker” means an individual certified by the department under WAC 296-65-010.

“Department” means the department of labor and industries.

“Demolition” means the activity of razing a structure which includes the wrecking, removal, or dismantling of any load-supporting structural member of any facility including any related handling operations.

“Director” means the director of the department of labor and industries or the director's designee.

“Emergency project” means a project that was not planned but results from a sudden, unexpected event and does not include operations that are necessitated by nonroutine failures of equipment or systems.

“Encapsulation” means the application of an encapsulant to asbestos containing materials to control the release of asbestos fibers into the air. The encapsulation process either creates a membrane over the surface (bridging encapsulant) or penetrates the material and binds its components together (penetrating encapsulant).

“EPA MAP” means the environmental protection agency model accreditation plan for asbestos requirements in 40 CFR Part 763.

“HEPA filtration” means high-efficiency particulate air filtration found in respirators and vacuum systems capable of filtering 0.3 micron particles with 99.97% efficiency.

“Intact” means that the asbestos containing material has not crumbled, been pulverized, or otherwise deteriorated so that it is no longer likely to be bound with its matrix.

“NESHAP” means the National Emission Standards for Hazardous Air Pollutants.

“Owner” means the person who owns any public or private building, structure, facility, or mechanical system, or the remnants thereof, or the agent of such person, but does not include individuals who work on asbestos projects in their own single-family residences, no part of which is used for commercial purposes.

“Person” means any individual, partnership, firm, association, corporation, sole proprietorship, or the state of Washington or its political subdivisions.

“Revocation” means a permanent withdrawal of a certification issued by the department.

“Suspension” means a temporary withdrawal of a certification issued by the department. No suspension shall be less than six months or longer than one year.

[Statutory Authority: RCW 49.17.010, .040, .050, and RCW 49.26.130. 00-06-075 (Order 99-40), § 296-65-003, filed 03/01/00, effective 04/10/00. Statutory Authority: RCW 49.17.040, .050; RCW 49.26.040 and 49.26.130. 99-17-026 (Order 98-17), § 296-65-003, filed 08/10/99, effective 11/10/99. Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-003, filed 02/16/96, effective 04/01/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-003, filed 10/10/89, effective 11/24/89; 87-24-051 (Order 87-24), § 296-65-003, filed 11/30/87. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-003, filed 10/22/85.]

WAC 296-65-005 Asbestos worker training course content. An approved asbestos worker training course shall consist of four days of training with a minimum of thirty-two hours. This initial training course shall provide, at a minimum, information on the following topics:

- (1) The physical characteristics of asbestos including types, fiber size, aerodynamic characteristics and physical appearance.

- (2) Examples of different types of asbestos and asbestos-containing materials. Real asbestos shall be used only for observation by trainees and shall be enclosed in sealed unbreakable containers.

WAC 296-65-005 (Cont.)

- (3) The health hazards of asbestos including the nature of asbestos related diseases, routes of exposure, dose-response relationships, synergism between cigarette smoking and asbestos exposure, latency period of diseases, hazards to immediate family, and the health basis for asbestos standards.
- (4) Employee personal protective equipment including the classes and characteristics of respirator types, limitations of respirators, proper selection, inspection, donning, use, maintenance and storage procedure, methods for field checking of the facepiece-to-face seal (positive and negative-pressure checks), qualitative and quantitative fit testing procedures, variability between field and laboratory protection factors, factors that alter respirator fit (e.g., eye glasses and facial hair), the components of a proper respiratory protection program, respirator program administrator, requirements on oil lubricated reciprocating piston compressors for breathing air, and selection and use of personal protective clothing. Qualitative or quantitative fit testing shall be performed on at least one student for demonstration purposes and in accordance with WAC 296-62-07715 and 296-62-07739.
- (5) Use, storage and handling of launderable clothing, nonslip footwear, gloves, eye protection and hard hats.
- (6) Medical monitoring procedures and requirements, including the provisions of WAC 296-62-071 through 296-62-07121 and 296-62-07725, any additional recommended procedures and tests, benefits of medical monitoring and employee access to records.
- (7) Air monitoring procedures and requirements specified in WAC 296-62-07709, including a description of equipment, sampling methods and strategies, reasons for air monitoring, types of samples, including area, personal and clearance samples, current standards with proposed changes if any, employee observation and notification, recordkeeping and employee access to records, interpretation of air monitoring results, and analytical methods for bulk and air samples.
- (8) State-of-the-art work practices for asbestos removal and encapsulation activities including purpose, proper construction and maintenance of barriers and decontamination enclosure systems, posting of warning signs, electrical and ventilation system lock-out, proper working techniques and tools with vacuum attachments for minimizing fiber release, use of wet methods and surfactants, use of negative-pressure ventilation equipment for minimizing employee exposure to asbestos fibers and contamination prevention, scoring and breaking techniques for rigid asbestos products, glove bag techniques, recommended and prohibited work practices, potential exposure situations, emergency procedures for sudden releases, use of HEPA vacuums and proper clean-up and disposal procedures. Work practice requirements for removal, encapsulation, enclosure, repair, and waste transportation shall be discussed individually. Appropriate work practices for both indoor and outdoor asbestos projects shall be included.
- (9) Personal hygiene including entry and exit procedures for the work area, use of showers and prohibition of eating, drinking, smoking and chewing (gum or tobacco) in the work area. Potential exposures, such as family exposure shall also be included.
- (10) Additional safety hazards that may be encountered during asbestos removal and encapsulation activities and hazard abatement, including electrical hazards, scaffold and ladder hazards, slips, trips and falls, confined spaces, noise, and heat stress.
- (11) The requirements, procedures and standards established by:
 - (a) The Environmental Protection Agency, 40 CFR Part 61, Subparts A and M, and 40 CFR Part 763.
 - (b) Washington state department of ecology.

- (c) Local air pollution control agencies.

WAC 296-65-005 (Cont.)

- (d) Washington state department of labor and industries, division of industrial safety and health, chapter 49.17 RCW (Washington Industrial Safety and Health Act), chapter 49.26 RCW (Health and safety--Asbestos), and ensuing regulations.
- (12) Actual worksite considerations.
- (13) The instruction required by this section shall include, at a minimum fourteen hours of hands-on training for the following:
 - (a) Glove bag techniques;
 - (b) The opportunity to don respirators including half facepiece and full facepiece air purifying respirators, powered air purifying respirators (PAPR), and Type-C supplied-air respirators;
 - (c) Removal of sprayed-on or troweled-on material, and pipe lagging;
 - (d) Basic construction of a decontamination unit, and proper entry and exit;
 - (e) Suit-up in protective clothing consisting of coveralls, foot coverings and head coverings.
- (14) Course review, a review of the key aspects of the training course.
- (15) Asbestos-containing materials shall not be used for hands-on training.
- (16) In recognition that asbestos abatement is an evolving industry, the department reserves the right to require additional subjects to be taught and to specify the amount of time which shall be allotted to adequately cover required subjects. To assure adequate coverage of required material, each sponsor shall be provided and required to incorporate into the training course, a detailed outline of subject matter developed by the department.

[Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-005, filed 02/16/96, effective 04/01/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), 296-65-005, filed 10/10/89, effective 11/24/89; 87-24-051 (Order 87-24), § 296-65-005, filed 11/30/87. Statutory Authority: RCW 49.17.050(2) and 49.17.040. 87-10-008 (Order 87-06), § 296-65-005, filed 4/27/87. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-005, filed 10/22/85.]

WAC 296-65-007 Asbestos supervisor training course content. An approved asbestos supervisor training course shall consist of at least five days of training. This initial training course shall include lectures, demonstrations, at least fourteen hours of hands-on training, course review and a written examination. Audio-visual materials, where appropriate, are recommended to complement lectures. The training course shall provide, at a minimum, information on the following topics:

- (1) The physical characteristics of asbestos and asbestos-containing materials including identification of asbestos, aerodynamic characteristics, typical uses, physical appearance, hazard assessment considerations, and a summary of abatement control options.
- (2) Health effects related to asbestos exposure including the nature of asbestos related diseases, routes of exposure, dose-response relationships and the lack of a safe level of exposure, synergism between asbestos exposure and cigarette smoking, latency period, hazards to the immediate family and the health basis for the standard.
- (3) Employee personal protective equipment including the classes and characteristics of respirator types, limitations of respirators, proper selection, inspection, donning, use, maintenance, and storage procedures,

methods for field checking of the facepiece-to-face seal (positive and negative pressure checks), variability between field and laboratory protection factors, quantitative and qualitative fit test requirements, factors

WAC 296-65-007 (Cont.)

- that alter respirator fit (facial hair, scars, etc.), the components of a proper respirator program, requirements for oil lubricated reciprocating compressors, maintenance of Type-C systems, standards for breathing air, selection and use of personal protective clothing, use, storage, and handling of nondisposable clothing, and regulations covering personal protective equipment.
- (4) State-of-the-art work practices for asbestos removal and encapsulation activities including purpose, proper construction and maintenance of barriers and decontamination enclosure systems, posting of warning signs, electrical and ventilation system lock-out, proper working techniques and tools with vacuum attachments for minimizing fiber release, use of wet methods and surfactants, use of negative-pressure ventilation equipment for minimizing employee exposure to asbestos fibers and contamination prevention, scoring and breaking techniques for rigid asbestos products, glove bag techniques, recommended and prohibited work practices, potential exposure situations, emergency procedures for sudden releases, use of HEPA vacuums and proper clean-up and disposal procedures. Work practice requirements for removal, encapsulation, and repair shall be discussed separately. Appropriate work practices for both indoor and outdoor asbestos projects shall be included.
 - (5) Personal hygiene including entry and exit procedures for the work area, use of showers and prohibition of eating, drinking, smoking, and chewing (gum and tobacco) in the work area. Potential exposures, such as family exposure shall also be included.
 - (6) Additional safety hazards that may be encountered during asbestos abatement activities and how to deal with them, including electrical hazards, heat stress, air contaminants other than asbestos, fire and explosion hazards, scaffold and ladder hazards, slips, trips, and falls, confined space entry requirements, and noise hazards.
 - (7) Medical monitoring procedures and requirements, including the provisions of WAC 296-62-071 through 296-62-07121 and 296-62-07725, any additional recommended procedures and tests, benefits of medical monitoring and recordkeeping requirements.
 - (8) Air monitoring procedures and requirements specified in WAC 296-62-07709, including a description of equipment, sampling methods and strategies, reasons for air monitoring, types of samples, including area, personal and clearance samples, a description of aggressive sampling, current standards with proposed changes if any, employee observation and notification, recordkeeping, interpretation of air monitoring results, specifically from analyses performed by polarized light, phase contrast, and electron microscopy.
 - (9) The requirements, procedures, and standards established by:
 - (a) The Environmental Protection Agency, 40 CFR Part 61, Subparts A and M, and 40 CFR Part 763.
 - (b) The Washington state department of ecology.
 - (c) Local air pollution control agencies.
 - (d) Washington state department of labor and industries, division of industrial safety and health, chapter 49.17 RCW (Washington Industrial Safety and Health Act), chapter 49.26 RCW (Health and safety--Asbestos), and ensuing regulations.
 - (10) Actual worksite considerations.

- (11) Insurance and liability issues including contractor issues, industrial insurance coverage and exclusions, third party liabilities and defenses, private insurance coverage and exclusions, recordkeeping recommended for legal and insurance purposes.

WAC 296-65-007 (Cont.)

- (12) Supervisory techniques for asbestos abatement projects including supervisory practices to enforce and reinforce the required work practices and discourage unsafe work practices.
- (13) Contract specifications including a discussion of the key elements to be included in contract specifications.
- (14) A minimum of fourteen hours of hands-on training for the following:
 - (a) Calibration of air-sampling equipment;
 - (b) Routine maintenance of air-purifying and air-supplied respirators;
 - (c) Setup of a decontamination unit including calculating the number of negative air machines needed as well as proper placement of the machines within the enclosure; and
 - (d) Quantitative and qualitative fit-testing protocols.
- (15) Course review, a review of the key aspects of the training course.
- (16) In recognition that asbestos abatement is an evolving industry, the department reserves the right to require additional subjects to be taught and to specify the amount of time which shall be allotted to adequately cover required subjects. To assure adequate coverage of required material, each sponsor shall be provided and required to incorporate into their training course, a detailed outline of subject matter developed by the department.

[Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-007, filed 02/16/96, effective 04/01/96.
Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-007, filed 10/10/89, effective 11/24/89.]

WAC 296-65-010 Asbestos worker certification.

- (1) For the purposes of this section **“individual”** means any natural person.
- (2) To qualify for an asbestos worker certificate, an individual must do the following:
 - (a) Successfully complete an approved asbestos worker training course;
 - (b) Achieve a score of at least seventy percent on a one hundred question multiple choice closed book examination approved by the department but administered by the training course sponsor. If an individual does not pass the examination, then another examination (meeting the above criteria) may be given after a sufficient period of study. The new examination must not duplicate more than fifty percent of the questions used on prior examinations;
 - (c) Submit to the department a timely application validated by an approved training course sponsor. To be considered timely, an application must be received by the department no later than sixty days after the completion of the course. In the event that an application is not timely, the individual will be required to pass, with a score of at least seventy percent, an examination administered by the department. A nonrefundable fifty-dollar fee will be assessed when the application is submitted to the department; and
 - (d) Pay the fee prescribed in WAC 296-65-025.
- (3) Individuals must not perform any asbestos project work prior to issuance of the certificate.

- (4) Certificates will be issued and mailed to the individual applicants and will be valid for one year from the date of issuance.

WAC 296-65-010 (Cont.)

- (5) Certified asbestos workers shall attend an eight-hour worker refresher course prior to certificate renewal.
 - (a) The course shall, at a minimum, adequately review the subjects required by WAC 296-65-005, update information on state-of-the-art procedures and equipment, and review regulatory changes and interpretations. The department may require specific subjects.
 - (b) An application for renewal of the certificate must be validated by the refresher training course instructor.
 - (c) The refresher course must be taken prior to expiration of the certificate .
 - (d) The department must receive the certificate renewal application no later than the expiration date of the current certificate. Applicants missing this renewal deadline will be required to pass, with a score of seventy percent, an examination administered by the department. A nonrefundable fifty-dollar fee will be charged to take this examination.
 - (e) Individuals whose certificates have been expired for more than six months will be required to retake the entire basic worker course.
- (6) The initial TSCA Title II worker accreditation certificate and the current worker certificate must be available for inspection at all times at the location of the asbestos project.
- (7) The department may suspend or revoke a certificate as provided in WAC 296-65-050 and chapter 296-350 WAC.

[Statutory Authority: RCW 49.17.040, .050; RCW 49.26.040 and 49.26.130. 99-17-026 (Order 98-17), § 296-65-010, filed 08/10/99, effective 11/10/99. Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-010, filed 02/16/96, effective 04/01/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-010, filed 10/10/89, effective 11/24/89. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-010, filed 10/22/85.]

WAC 296-65-012 Asbestos supervisor certification.

- (1) For the purposes of this section, “**individual**” means any natural person.
- (2) To qualify for an asbestos supervisor certificate, an individual must meet the following criteria:
 - (a) Have at least 1600 hours of experience in one or more of the following disciplines:
 - (i) Asbestos abatement;
 - (ii) Asbestos project design;
 - (iii) Consultation on asbestos abatement projects;
 - (iv) Operations and maintenance program supervision;
 - (v) Construction project supervision.
 - (b) Successfully complete an approved asbestos supervisor training course;
 - (c) Achieve a score of at least seventy percent on a one hundred question multiple choice closed book examination approved by the department but administered by the training course sponsor. If an individual does not pass the examination, then another examination (meeting the above criteria)

may be given after a sufficient period of study. The new examination must not duplicate more than fifty percent of the questions used on prior examinations;

WAC 296-65-012 (Cont.)

- (d) Submit to the department a timely application validated by an approved training course sponsor. To be considered timely, an application must be received by the department no later than sixty days after the completion of the course. In the event that an application is not timely, the individual will be required to pass, with a score of at least seventy percent, an examination administered by the department. A nonrefundable fifty-dollar fee will be assessed when the application is submitted to the department; and
 - (e) Pay the fee prescribed in WAC 296-65-025.
- (3) An individual must not supervise any asbestos project prior to issuance of the certificate.
 - (4) Certificates will be issued and mailed to the individual applicants and will be valid for one year from the date of issuance.
 - (5) A certified asbestos supervisor must attend an eight-hour supervisor refresher course prior to certificate renewal. It is not necessary to also take a worker refresher course.
 - (a) The course must, at a minimum, adequately review the subjects required by WAC 296-65-007, update information on state-of-the-art procedures and equipment, and review regulatory changes and interpretations. The department may require specific subjects.
 - (b) An application for renewal of the certificate must be validated by the refresher training course instructor.
 - (c) The refresher course must be taken prior to expiration of the certificate.
 - (d) The department must receive the certificate renewal application no later than the expiration date of the current certificate. Applicants missing this renewal deadline will be required to pass, with a score of seventy percent, an examination administered by the department. A nonrefundable fifty-dollar fee will be charged to take this examination.
 - (e) Individuals whose certificates have been expired for more than six months will be required to retake the entire basic supervisor course.
 - (6) The initial TSCA Title II supervisor accreditation certificate and the current supervisor certificate must be available for inspection at all times at the location of the asbestos project.
 - (7) The department may suspend or revoke a certificate as provided in WAC 296-65-050 and chapter 296-350 WAC.

[Statutory Authority: RCW 49.17.040, .050; RCW 49.26.040 and 49.26.130. 99-17-026 (Order 98-17), § 296-65-012, filed 08/10/99, effective 11/10/99. Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-012, filed 02/16/96, effective 04/01/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-012, filed 10/10/89, effective 11/24/89.]

WAC 296-65-015 Training course approval.

- (1) Basic and refresher asbestos training courses may be sponsored by any individual, person, or other entity having department approval. Approval shall be contingent on the sponsor's compliance, as applicable, with licensing requirements established by the state board of vocational education.
- (2) Prior to receiving department approval, each course shall be evaluated by the department for the breadth of knowledge and experience required to properly train asbestos workers or supervisors. Course content

shall be carefully scrutinized for adequacy and accuracy. Training techniques will be evaluated by the department.

WAC 296-65-015 (Cont.)

- (3) Sponsors of basic and refresher training courses proposed for approval must submit:
- (a) Background information about course sponsors;
 - (b) Course locations and fees;
 - (c) Copies of course handouts;
 - (d) A detailed description of course content and the amount of time allotted to each major topic;
 - (e) A description of teaching methods to be utilized and a list of all audio-visual materials; the department may, in its discretion, request that copies of the materials be provided for review. Any audio-visual materials provided to the department will be returned to the applicant;
 - (f) A list of all personnel involved in course preparation and presentation and a description of the background, special training and qualifications of each. Instructors shall have academic and/or field experience in asbestos abatement. The department may, in its discretion, require proposed instructors to pass an examination on subjects related to their respective topics of instruction;
 - (g) A description of student evaluation methods and a copy of the required written examination including the scoring methodology to be used in grading the examination;
 - (h) A description of course evaluation methods;
 - (i) Any restrictions on attendance (language, class size, affiliation, etc.);
 - (j) A list of any other states that currently approve the training course;
 - (k) A letter from the course provider that clearly indicates how the course provider meets the EPA MAP requirements; and
 - (l) The amount and type of hands-on training for initial training courses.
- (4) Application for training course approval and course materials shall be submitted to the department at least sixty days prior to the requested approval date. Materials may be mailed to:

**Asbestos Certification Program
Department of Labor and Industries
P.O. Box 44614
Olympia, Washington 98504-4614**

- (5) The decision to grant or renew approval of a basic or refresher asbestos training course shall be in the sole discretion of the department.

Following approval of a basic or refresher asbestos training course, the department will issue the course sponsor an approval which is valid for one year from the date of issuance. Application for renewal must follow the procedures described in subsections (3) and (4) of this section.

Following approval of a basic or refresher asbestos training course, in recognition that asbestos abatement is an evolving industry, the department reserves the right to require additional subjects to be taught and to specify the amount of time which shall be allotted to adequately cover required subjects. To assure

adequate coverage of required material, each sponsor shall be provided and required to incorporate into their training course, a detailed outline of subject matter developed by the department.

WAC 296-65-015 (Cont.)

- (6) To be considered timely, the training course approval renewal must be received by the department no later than thirty days before the certificate expiration date.
- (7) Any changes to a training course must be approved by the department in advance.
- (8) The course sponsor shall provide the department with a list of all persons who have completed a basic or refresher training course. The list must be provided no later than ten days after a course is completed and must include the name and address of each trainee.
- (9) The course sponsor must notify the department, in writing, at least fourteen days before a training course is scheduled to begin. The notification must include the date, time and address where the training will be conducted.
- (10) A representative of the department may, at the department's discretion, attend a training course as an observer to verify that the training course is conducted in accordance with the program approved by the department.
- (11) Course sponsors conducting training outside the state of Washington shall reimburse the department for reasonable travel expenses associated with department audits of the training courses. Reasonable travel expenses are defined as current state of Washington per diem and travel allowance rates including airfare and/or surface transportation rates. Such reimbursement shall be paid within thirty days of receipt of the billing notice.
- (12) The training course sponsor shall limit each class to a maximum of thirty participants.
- (13) The instructor to student ratio shall not exceed one-to-ten for any of the training required by WAC 296-65-005(13) and 296-65-007(14).
- (14) The department may terminate the training course approval, if in the department's judgment the sponsor fails to maintain the course content and quality as initially approved, or fails to make changes to a course as required by WAC 296-65-015(5). The minimum criteria for withdrawal of training course approval shall include:
 - (a) Misrepresentation of the extent of training courses approval by a state or EPA;
 - (b) Failure to submit required information or notification in a timely manner;
 - (c) Failure to maintain requisite records;
 - (d) Falsification of accreditation records, instructor qualifications, or other accreditation information;
or
 - (e) Failure to adhere to the training standards and accreditation requirements of chapter 296-65 WAC.
- (15) Any "notice of termination of training course approval" issued by the department may act as an order of immediate restraint as described by RCW 49.17.130.
- (16) Recordkeeping requirements for training providers: All approved providers of accredited asbestos training courses must comply with the following minimum recordkeeping requirements:

- (a) Training course materials. A training provider must retain copies of all instructional materials used in delivery of the classroom training such as student manuals, instructor notebooks and handouts.

WAC 296-65-015 (Cont.)

- (b) Instructor qualifications. A training provider must retain copies of all instructors' resumes, and the documents approving each instructor issued by either EPA or the department. Instructors must be approved by the department before teaching courses for accreditation purposes. A training provider must notify the department in advance whenever it changes course instructions.

Records must accurately identify the instructors that taught each particular course for each date that a course is offered.

- (c) Examinations. A training provider must document that each person who receives an accreditation certificate for an initial training course has achieved a passing score on the examination. These records must clearly indicate the date upon which the exam was administered, the training course and discipline for which the exam was given, the name of the person who proctored the exam, a copy of the exam, and the name and test score of each person taking the exam. The topic and dates of the training course must correspond to those listed on that person's accreditation certificate.
- (d) Accreditation certificates. The training providers shall maintain records that document the names of all persons who have been awarded certificates, their certificate numbers, the disciplines for which accreditation was conferred, training and expiration dates, and the training location. The training provider shall maintain the records in a manner that allows verification by telephone of the required information.
- (e) Verification of certificate information. Training providers of refresher training courses shall confirm that their students possess valid accreditation before granting course admission.
- (f) Records retention and access.
 - (i) The training provider shall maintain all required records for a minimum of three years. The training provider, however, may find it advantageous to retain these records for a longer period of time.
 - (ii) The training provider must allow reasonable access to all of the records required by the MAP, and to any other records which may be required by the department for the approval of asbestos training providers or the accreditation of asbestos training courses, to both EPA and to the department, on request.
 - (iii) If a training provider ceases to conduct training, the training provider shall notify the department and give it the opportunity to take possession of that provider's asbestos training records.
- (17) A representative of the department may, at the department's discretion, provide an examination as a substitution to the examination administered by the training course provider. The examination replacement will be used to verify that the training course is conducted in accordance with the program approved by the department.

[Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 97-01-079 (Order 96-12), § 296-62-015, filed 12/17/96, effective 03/01/97. 96-05-056 (Order 95-18), 296-65-015, filed 02/16/96, effective 04/01/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-015, filed 10/10/89, effective 11/24/89; 87-24-051 (Order 87-24), § 296-65-015, filed 11/30/87. Statutory Authority: RCW 49.17.050(2) and 49.17.040. 87-10-008 (Order 87-06), § 296-65-015, filed 4/27/87. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-015, filed 10/22/85.]

WAC 296-65-017 Contractor Certification.

- (1) In order to obtain certification, an asbestos contractor must submit an application to the department. The application shall provide the following information:

WAC 296-65-017 (Cont.)

- (a) A list of asbestos projects conducted by the contractor during the previous twelve months. Such list shall include for each project:
 - (i) Project name;
 - (ii) Location;
 - (iii) Brief description;
 - (iv) Identity of any citations or enforcement actions issued for violations of asbestos regulations by any local, state, or federal jurisdiction relative to each individual project; and
 - (v) Name of the on-site project manager or supervisor.
 - (b) A list of asbestos supervisors (include certification number) working for the company.
 - (c) A statement certifying that the contractor has read and understands all applicable Washington state rules and regulations regarding asbestos abatement and will comply with them.
 - (d) A statement certifying that the applicant contractor's asbestos license or accreditation issued by any other state or jurisdiction has not been revoked, suspended, or denied by that state or jurisdiction.
 - (2) Upon approval, the department will issue the contractor a certificate. Denial of approval shall be in writing.
 - (3) Certificates shall be valid for a period of twelve months. Certificates may be extended during department review of a renewal application.
- Note: In circumstances where it is necessary to coordinate an expiration date with the date of expiration of a contractor registration issued under chapter 18.27 RCW, certificates may be valid for less than one year. In such circumstances, the certificate fee prescribed in WAC 296-65-025 shall be prorated accordingly for the initial application only.*
- (4) The application for certificate renewal shall contain the information specified in subsection (1) of this section.
 - (5) Applications for renewal must be received by the department not less than sixty days before the certificate expires.
 - (6) The department may suspend or revoke the certificate as provided in WAC 296-65-050 and chapter 296-350 WAC.

[Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-017, filed 02/16/96, effective 04/01/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-017, filed 10/10/89, effective 11/24/89.]

WAC 296-65-020 Notification requirements.

- (1) Before any person or individual begins an asbestos project as defined in WAC 296-62-07722 and 296-65-003 involving more than forty-eight square feet or ten linear feet, unless the surface area of the pipe is greater than forty-eight square feet, of asbestos containing material, written notification must be provided to the department. Notices must include:

WAC 296-65-020 (Cont.)

- (a) Name and address of the owner and contractor.
- (b) Description of the facility including size, age, and prior use of the facility.
- (c) Amount of asbestos-containing material to be removed or encapsulated.
- (d) Location of the facility.
- (e) Exact starting and completion dates of the asbestos project, including shifts during which abatement work will be accomplished. These dates must correspond to the dates specified for asbestos removal in the contract. Any change in these dates or work shifts must be communicated to the department by an amended notice filed at the office where the original notice was filed.
 - When the starting date or time changes, the amended notice must be filed no later than 5:00 p.m. on the business day prior to the starting date in the original notice and prior to the new starting date.
 - When the completion date or time changes, the amended notice must be filed before completion of the project, and within eight hours from when the person learns that the change will occur.

Notice may be filed by facsimile (FAX).

- (f) Nature of the project and methods used to remove or encapsulate the material.
- (2) Notices must be received by the department no later than ten days prior to the start of the project. Notices must be sent directly to the department of labor and industries regional office having jurisdiction on the project.
 - (3) The director may waive the prenotification requirement upon written request of an owner for large-scale, on-going projects. In granting such a waiver, the director will require the owner to provide prenotification if significant changes in personnel, methodologies, equipment, work site, or work procedures occur or are likely to occur. The director will further require annual resubmittal of such notification.
 - (4) The director, upon review of an owner's reports, work practices, or other data available as a result of inspections, audits, or other authorized activities, may reduce the size threshold for prenotification required by this section. Such a change will be based on the director's determination that significant problems in personnel, methodologies, equipment, work site, or work procedures are creating the potential for violations of this chapter.
 - (5) Emergency projects which disturb or release asbestos into the air must be reported to the department within three working days after commencement of the project in the manner otherwise required under this chapter. The employees, the employees' collective bargaining representative or employee representative, if any, and other persons at the project area must be notified of the emergency as soon as possible by the person undertaking the emergency project. A notice describing the nature of the emergency project must be clearly posted adjacent to the work area.
 - (6) Incremental phasing in the conduct or design of asbestos projects or otherwise conducting or designing asbestos projects of a size less than the threshold exemption specified in subsection (1) of this section, with the intent of avoiding the notification requirements, is a violation of this chapter.

Chapter 296-65 WAC
Asbestos Removal and Encapsulation

[Statutory Authority: RCW 49.17.040, .050; RCW 49.26.040 and 49.26.130. 99-17-026 (Order 98-17), § 296-65-020, filed 08/10/99, effective 11/10/99. Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-020, filed 02/16/96, effective 04/01/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-020, filed 10/10/89, effective 11/24/89; 87-24-051 (Order 87-24), 296-65-020, filed 11/30/87. Statutory Authority: RCW 49.17.050(2) and 49.17.040. 87-10-008 (Order 87-06), § 296-65-020, filed 4/27/87. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-020, filed 10/22/85.]

WAC 296-65-025 Fees.

- (1) A nonrefundable administrative fee of twenty-five dollars will be assessed for each initial, replacement, or renewal asbestos worker certificate application. The fee (check or money order) must accompany the certificate application and be made payable to the department. An application form may be obtained from any approved training course instructor or directly from the department.
- (2) A nonrefundable administrative fee of thirty-five dollars will be assessed for each initial, replacement, or renewal asbestos supervisor certificate application. The fee (check or money order) must accompany the certificate application and be made payable to the department. An application form may be obtained from any approved training course instructor or directly from the department.
- (3) A nonrefundable administrative fee of one thousand dollars will be assessed for each initial or renewal contractor certificate application. The fee (check or money order) must accompany the certificate application and be made payable to the department. An application form may be obtained from the department.

Note: In circumstances where it is necessary to coordinate an expiration date with the date of expiration of a contractor registration issued under chapter 18.27 RCW, certificates may be valid for less than one year. In such circumstances, the certificate fee prescribed in WAC 296-65-025 will be prorated accordingly for the initial application only.

- (4) A nonrefundable administrative fee of one thousand dollars will be assessed for each initial and renewal application for training course approval. A check or money order must accompany any application made under the provisions of WAC 296-65-015.

[Statutory Authority: RCW 49.17.040, .050; RCW 49.26.040 and 49.26.130. 99-17-026 (Order 98-17), § 296-65-025, filed 08/10/99, effective 11/10/99. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-025, filed 10/10/89, effective 11/24/89; 87-24-051 (Order 87-24), § 296-65-025, filed 11/30/87. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-025, filed 10/22/85.]

WAC 296-65-030 Methods of compliance.

- (1) Before submitting a bid or working on an asbestos abatement project, any person or individual must obtain an asbestos contractor certificate as provided in WAC 296-65-017 and must have in its employ at least one certified asbestos supervisor responsible for supervising all asbestos projects undertaken by the contractor.
- (2) A certified asbestos supervisor will not be required on asbestos projects involving less than three square feet or three linear feet of asbestos-containing material unless the surface area of the pipe is greater than three square feet. A certified asbestos supervisor is required for all Class I and II asbestos work in accordance with WAC 296-62-07728 (4).
- (3) No employee or other individual is eligible to do work or supervise an asbestos project without being issued a certificate by the department.
 - (a) Employees performing Class I or Class II asbestos work must be certified asbestos workers as specified in WAC 296-62-07722.
 - (b) Employees performing Class III or Class IV asbestos work specified by WAC 296-62-07722 as an asbestos project shall be certified asbestos workers.
- (4) No person may assign any employee, contract with, or permit any individual, to work on an asbestos project as specified in WAC 296-62-07722 in any facility without the project being performed by a certified asbestos worker.

WAC 296-65-030 (Cont.)

- (5) A certified asbestos supervisor must provide direct, on-site supervision for an asbestos project. When an employer conducts an asbestos abatement project in its own facility by its own certified employees, supervision may be performed in the regular course of a certified asbestos supervisor's duties. Asbestos workers must have access to and be under the control of certified asbestos supervisors throughout the duration of the project.
- (6) Any construction, renovation, remodeling, maintenance, repair, or demolition which was started without meeting the requirements of this section must be halted immediately and cannot be resumed before meeting such requirements.

[Statutory Authority: RCW 49.17.040, .050; RCW 49.26.040 and 49.26.130. 99-17-026 (Order 98-17), § 296-65-030, filed 08/10/99, effective 11/10/99. Statutory Authority: RCW 49.17.040, [49.17.]050 and [49.17.]060. 97-19-014 (Order 97-07), 296-65-030, filed 10/05/97, effective 11/05/97. 96-05-056, § 296-65-030, filed 2/16/96, effective 4/1/96. Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-030, filed 10/10/89, effective 11/24/89. Statutory Authority: RCW 49.17.050(2) and 49.17.040. 87-10-008 (Order 87-06), § 296-65-030, filed 4/27/87. Statutory Authority: SSB 4209, 1985 c 387. 85-21-080 (Order 85-30), § 296-65-030, filed 10/22/85.]

WAC 296-65-035 Reciprocity.

- (1) The department may recognize certifications issued by another state for asbestos workers or supervisors provided that:
 - (a) The worker is in possession of a currently valid certification from the other state; and
 - (b) The department evaluates the other state's qualification procedures and determines the certification to be equivalent to the minimum requirements of this chapter.
- (2) When the department's evaluation of another state's qualification procedures identifies that equivalent requirements are met, the department is authorized to issue a Washington state certification upon receipt of a completed application.
- (3) When the department's evaluation of another state's qualification procedures identifies deficiencies, the department may require specific supplemental training and/or examination before issuing a Washington state certification.

[Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-035, filed 10/10/89, effective 11/24/89.]

WAC 296-65-050 Denial, suspension, and revocation of certificates.

- (1) The department may deny, suspend, or revoke a certificate for failure of the holder to comply with any requirement of this chapter or any applicable health and safety standards and regulations.
- (2) The criteria for decertification for asbestos workers, supervisors, and contractors shall include:
 - (a) Performing work requiring accreditation at a job site without being in physical possession of initial and current accreditation certificates;
 - (b) Permitting the duplication or use of one's own accreditation certificate by another;
 - (c) Performing work for which accreditation has not been received; or
 - (d) Obtaining accreditation from a training provider that does not have approval to offer training for the particular discipline from either EPA or from a state that has a contractor accreditation plan at least as stringent as the EPA MAP.

WAC 296-65-050 (Cont.)

- (3) The following persons are not certified for the purposes of this chapter and their respective certificate(s) shall be revoked by the department:
 - (a) Any person who obtains accreditation through fraudulent representation of training or examination documents;
 - (b) Any person who obtains training documentation through fraudulent means;
 - (c) Any person who gains admission to and completes refresher training through fraudulent representation of initial or previous refresher training documentation; or
 - (d) Any person who obtains accreditation through fraudulent representation of accreditation requirements such as education, training, professional registration, or experience.
- (4) Before any certificate may be denied, suspended, or revoked, the holder thereof shall be given written notice of the department's intention to do so, mailed by registered mail, return receipt requested, to the holder's last known address. The notice shall enumerate the allegations against such holder and shall give him or her the opportunity to request a conference before the department. At such conference, the department and the holder shall have opportunity to produce witnesses and give testimony.
- (5) A denial, suspension, or revocation order may be appealed to the board of industrial insurance appeals within fifteen working days after the denial, suspension, or revocation order is entered. The notice of appeal may be filed with the department or the board of industrial insurance appeals. The board of industrial insurance appeals shall hold the hearing in accordance with procedures established in RCW 49.17.140. Any party aggrieved by an order of the board of industrial insurance appeals may obtain superior court review in the manner provided in RCW 49.17.150.
- (6) The department may suspend or revoke any certificate issued under this chapter for a period of not less than six months upon the following grounds:
 - (a) The certificate was obtained through error or fraud; or
 - (b) The holder thereof is judged to be incompetent to carry out the work for which the certificate was issued.

[Statutory Authority: RCW 49.17.040, 49.17.050, 49.17.060, 96-05-056 (Order 95-18), § 296-65-050, filed 02/16/96, effective 04/01/96.
Statutory Authority: Chapter 49.17 RCW. 89-21-018 (Order 89-10), § 296-65-050, filed 10/10/89, effective 11/24/89.]